

	Foul water sewer/drain	
	Storm water sewer/drain	
	Storm water land drain	
FW	Soil stack (Type T&E by Architect/m&E engineer)	
	Foul water inspection chamber (4500)	
	Foul water manhole	
	Threshold Drain	
	Channel Drain	
	Rainwater pipe	
	Storm water rodding eye	
	Yard gully	
	Road gully	
	Storm water access chamber (3000)	
	Storm water inspection chamber (4500)	
	Rainwater diffuser unit by SEL	
	Fin Drain	
	Block paving tanked porous parking area	
	Geocellular attenuation tank	
	Storm water manhole	
	RPZ Area	
	Finished floor level	
1000 4.5m 1:100 Z BED	Pipe info - Diameter, Length, Gradient, Bedding type	
<u>ABBREVIATIONS</u>		
CP	- CATCHPIT	
MH	- MANHOLE	
IC	- INSPECTION CHAMBER	
AC	- ACCESS CHAMBER	
RE	- RODDING EYE	
IL	- INVERT LEVEL	
SL	- SUMP LEVEL	
CL	- COVER LEVEL	
	BACKDROP	
	HIGH LEVEL IL	
	LOW LEVEL IL	

DESIGN SUBJECT TO THE CONFIRMATION OF:
ORDINARY WATERCOURSE APPROVAL

STANDARD NOTES

1. DO NOT SCALE FROM THIS DRAWING. REFER TO FIGURED DIMENSIONS ONLY. THE CONTRACTOR SHOULD CHECK ALL DIMENSIONS ON SITE.
2. ALL DIMENSIONS IN MILLIMETRES AND ALL LEVELS ARE IN METERS UNLESS NOTED OTHERWISE.
3. THIS DRAWING SHOULD BE READ IN CONJUNCTION WITH ALL OTHER RELEVANT ARCHITECT AND ENGINEERING DETAILS, DRAWINGS AND SPECIFICATIONS.
4. ANY DISCREPANCIES SHOULD BE REPORTED TO THE ARCHITECT AND/OR ENGINEER IMMEDIATELY, SO THAT CLARIFICATION CAN BE SOUGHT PRIOR TO THE COMMENCEMENT OF WORK.
5. BEFORE COMMENCING CONSTRUCTION THE CONTRACTOR MUST CHECK THE INVERT LEVELS OF EXISTING SEWERS TO WHICH CONNECTIONS ARE MADE. IN ADDITION THE CONTRACTOR MUST LOCATE AND DETERMINE INVERT LEVELS OF THE EXISTING SPURS TO WHICH CONNECTIONS ARE MADE. ANY DISCREPANCIES ARE TO BE NOTIFIED TO THE ENGINEER IMMEDIATELY, PRIOR TO CONSTRUCTION.
6. ALL DRAINAGE WORKS SHOULD COMMENCE AT THE PROPOSED DOWNSTREAM CONNECTION POINT. THE WORKS CONTINUING UPSTREAM FOLLOWING CONFIRMATION OF THE TIE-IN INVERT TO THE EXISTING ENGINEER CONNECTIONS TO MANHOLES OR LARGER SIZED PIPES ETC. SHOULD BE SOFFIT TO SOFFIT UNLESS OTHERWISE INSTRUCTED BY THE ENGINEER, IF THIS IS NOT POSSIBLE INFORM THE ENGINEER IMMEDIATELY.
7. COVER LEVELS SHOWN ARE APPROXIMATE. COVERS AND FRAMES SHALL BE SET TO FINISHED GROUND LEVELS AND FALLS.
8. ALL UNREFERENCED PIPES ARE ASSUMED TO BE 100mm DIA.
9. ROAD GULLY OUTLET PIPES ARE TO BE 150mm DIA. WITH CONCRETE SURROUND AND FLEXIBLE JOINTS. ALL GULLIES SHALL BE FITTED WITH GRADE D400 GRATINGS AND FRAMES TO BS EN124, UNLESS OTHERWISE STATED.
10. ALL PRIVATE DRAINAGE TO BE IN ACCORDANCE WITH THE BUILDING REGULATIONS APPROVED DOCUMENT PART-H, AND TO BE DISCHARGED TO THE MAIN DRAINAGE TO CONTROL INSPECTOR.
11. THE CONTRACTOR IS TO KEEP A RECORD OF ANY VARIATIONS MADE ON SITE, INCLUDING THE RELOCATION OF SEWERS OR DRAINS, SO THAT AN AS CONSTRUCTED DRAWING CAN BE PREPARED UPON COMPLETION OF THE PROJECT.
12. IF ANY SUB SOIL DRAINAGE SYSTEMS ARE UNCOVERED DURING THE WORKS CONTACT THE ENGINEER FOR INSTRUCTIONS. SUB SOIL DRAINS ARE TO BE DISCHARGED TO CONTROL INSPECTOR AND CONNECTED INTO THE SURFACE WATER.
13. NO PRIVATE AREAS ARE TO DRAIN ONTO ADAPTABLE AREAS AND VICE VERSA.
14. ALL EXISTING MANHOLE COVERS, GULLIES, ETC. ARE TO BE RAISED/LOWERED TO SUIT NEW LEVELS.
15. MANHOLE AND CHAMBER COVER GRADES:
 - 'A15' IN ALL LANDSCAPED AREAS AND ON FOOTPATHS
 - 'B125' IN ALL DRIVEWAYS
 - 'C250' IN PRIVATE PARKING AREAS
 - 'D400' IN CARRIAGEWAY/ACCESS ROAD
16. SURFACE WATER PIPES TO BE STRUCTURED TWIN WALL OR UP TO 150mm DIA.
17. ALL FOUL WATER PIPES TO BE UPVC-C OR CLAY
18. ALL PIPE JOUNCTIONS TO BE OBLOQUE. SQUARE JOUNCTIONS ARE NOT PERMITTED

A	27.08.20	REVISED POROUS PARKING AREAS	LH	CS	CS
P5	28.01.20	UPDATED TO SUIT ADC COMMENTS	LH	CS	CS
P4	16.01.20	UPDATED TO SUIT ADC COMMENTS	LH	CS	CS
P3	05.12.19	UPDATED CULVERT	LH	CS	CS
P2	25.11.19	UPDATED DRAINAGE LAYOUT	LH	CS	CS
P1	03.09.19	MINOR REVISIONS TO SUIT EXTERNAL WORKS LAYOUT	LH	CS	CS
P	18.09.19	PRELIMINARY ISSUE	LH	CS	CS
REV	DATE	DESCRIPTION	BY	CHK	AP

 Consulting Civil Engineers			
CLIENT			
GD GROUP			
ARCHITECT			
CITYZEN			
JOB TITLE			
MERRY ENGLAND ANGMERING			
DRAWING TITLE			
DRAINAGE LAYOUT			
DRAWN	ENGINEER	CHECKED	APPROVED
LH	CS	CS	
DATE	SCALE @ A1		REV.
SEPT 2019		1:200	
JOB No.	STATUS	DRAWING No.	REV.
C1249	C	100	A

CONSTRUCTION